

BEST AVAILABLE COPY

PTO/SB-93-07-03

Approved for use through 7/31/2003. OMB 3597-0037
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REQUEST FOR ACCESS TO AN ABANDONED APPLICATION UNDER 37 CFR 1.14

Bring completed form to:
File Information Unit
Crystal Plaza Three, Room 1D01
2021 South Clark Place
Arlington, VA
Telephone: (703) 308-2733

RECEIVED

JAN 14 2004

Technology Center 2100

In re Application of _____

Application Number

09/660500

Filed

12 Sept 2000

Paper No.

15

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. PGP-WO 02/23342, page, _____ line _____

United States Patent Number _____, column _____, line _____ or _____

WIPO Pub. No. _____, page _____, line _____

Related Information about Access to Pending Applications (37 CFR 1.14):

Direct access to pending applications is not available to the public but copies may be available and may be purchased from the Office of Public Records upon payment of the appropriate fee (37 CFR 1.19(b)), as follows:
For published applications that are still pending, a member of the public may obtain a copy of:

- the file contents;
- the pending application as originally filed; or
- any document in the file of the pending application.

For unpublished applications that are still pending:

- (1) If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of:
 - the file contents;
 - the pending application as originally filed; or
 - any document in the file of the pending application.
- (2) If the application is incorporated by reference or otherwise identified in a U.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of:
 - the pending application as originally filed.

Stella Kome

Signature

Stella Kome

Typed or printed name

Registration Number, if applicable

703 418 2777

Telephone Number

1/14/04

Date

FOR PTO USE ONLY

Approved by: _____

(Initials)

Unit: _____

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 March 2002 (21.03.2002)

PCT

(10) International Publication Number
WO 02/23362 A1

(51) International Patent Classification⁷: **G06F 15/16**

(21) International Application Number: PCT/US01/28391

(22) International Filing Date:
12 September 2001 (12.09.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/660,500 12 September 2000 (12.09.2000) US
60/274,615 12 March 2001 (12.03.2001) US

(71) Applicant (for all designated States except US): **NETMO-
TION WIRELESS, INC.** [US/US]; 1500 Dexter Avenue
North, Seattle, WA 98109-3032 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HANSON, Aaron,
D.** [US/US]; 3002 NW 63rd Street, Seattle, WA 98107
(US). **STURNIOLO, Emil, A.** [US/US]; 4050 Alameda
Court, Medina, OH 44256 (US). **MENN, Anatoly**

[US/US]; 816 North 175th, #4, Seattle, WA 98133 (US).
OLSON, Erik, D. [US/US]; 306 NWS 82nd Street, Seat-
tle, WA 98117 (US). **SAVARESE, Joseph, T.** [US/US];
22205 95th Place West, Edmonds, WA 98020 (US).

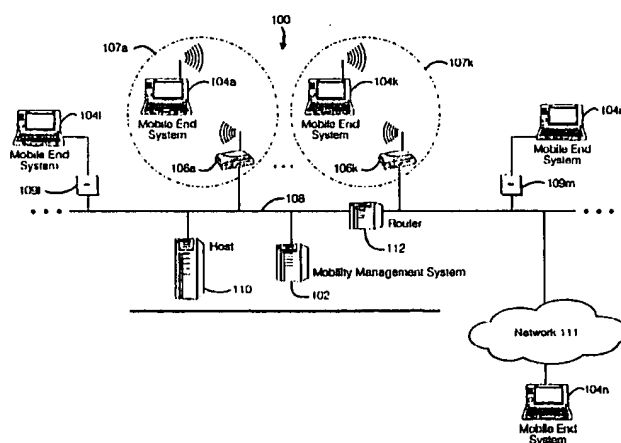
(74) Agent: **FARIS, Robert, W.**; Nixon & Vanderhye, 1100
North Glebe Road, Suite 800, Arlington, VA 22201-4714
(US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
TG).

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PROVIDING MOBILE AND OTHER INTERMITTENT CONNECTIVITY IN A
COMPUTING ENVIRONMENT



(57) Abstract: A seamless solution transparently addresses the characteristics of nomadic systems, and enables existing network applications to run reliably in mobile environments. A Mobility Management Server (102) coupled to the mobile network maintains the state of each of any number of Mobile End Systems (104) and handles the complex session management required to maintain persistent connections to the network and to other peer processes. If a Mobile End System becomes unreachable, suspends, or changes network address (e.g., due to roaming from one network interconnect to another), the Mobility Management Server maintains the connection to the associated peer task- allowing the Mobile End System to maintain a continuous connection even though it may temporarily lose contact with its network medium. An interface-based listener uses network point of attachment information supplied by a network interface to determine roaming conditions and to efficiently establish connection upon roaming. The Mobility Management Server can distribute lists to Mobile End Systems specifying how to contact it over disjoint networks.

WO 02/23362 A1